

**INTERNATIONAL SEARCH REPORT**

International Application No

IB2004/050569

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G11B20/12 G11B27/32

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 282 128 A (RICOH KK) 5 February 2003 (2003-02-05)	1-5, 9, 10
Y	abstract paragraph '0001! - paragraph '0012! paragraph '0019! - paragraph '0039! figures 1-3	6-8
Y	US 2002/136137 A1 (TSUKATANI SHIGEKI ET AL) 26 September 2002 (2002-09-26) abstract paragraph '0245! - paragraph '0283! figures 21,22	6-8

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

Date of mailing of the International search report

3 September 2004

20/09/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 12, 26 December 1996 (1996-12-26) -& JP 08 203211 A (RICOH CO. LTD), 9 August 1996 (1996-08-09) abstract -----	1,9,10
Y	EP 0 899 735 A (RICOH KK) 3 March 1999 (1999-03-03) the whole document -----	1,9,10
A	EP 0 878 799 A (HEWLETT PACKARD CO) 18 November 1998 (1998-11-18) abstract column 4, line 11 - line 55 column 10, line 24 - column 11, line 4 figures 1,2,11,12 -----	1,9,10

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Information on patent family members

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